

ABSTRACT

This invention relates to a universal computer code generator.
The generator comprises at least:

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- one front end (FE) that creates an intermediate file (6) by a grammatical and syntactical analysis of the specifications file (4), the intermediate file comprising a syntactical tree (20, 30) describing data in the specifications file (4), all data extracted from this file (4) by front end (FE) being associated with a node (21, 22, 23, 24, 25, 26) in the tree;
- a Template (3) defining programming rules associated with each node, as a function of the code to be generated (7);
- a back end (BE) generating the output code (7) by reading the intermediate file (6) and the syntactical tree.

The invention is applicable particularly for automatic code generation, for example for translation of computer languages.